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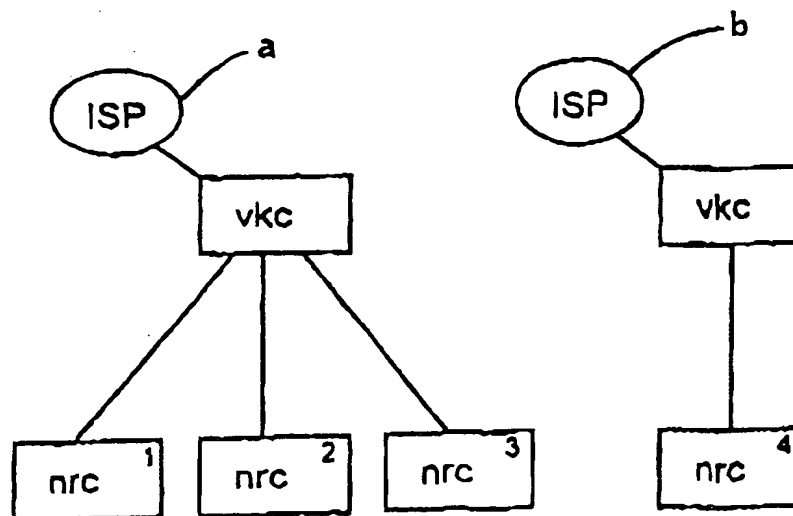
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International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/NL99/00054 (22) International Filing Date: 3 February 1999 (03.02.99) (30) Priority Data: 1008259 10 February 1998 (10.02.98) NL (71) Applicant (for all designated States except US): TELEMATICA HOLDINGS LTD. (NL/NL); 3 L.B. Smith Plein, Willemstad, Curacao (AN). (72) Inventor; and (75) Inventor/Applicant (for US only): VAN TOL, Alphonsus, Johannes (NL/NL); Holtenberg 9, NL-2402 ZA Alphen a/d Rijn (NL). (74) Agent: LIPS, H., J., G.; Breimerlaan 146, NL-2596 HG The Hague (NL).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. In English translation (filed in Dutch).	

(54) Title: **SYSTEM FOR COUPLING THE PUBLIC TELEPHONE NETWORK TO THE INTERNET**



(57) Abstract

System for coupling the public telephone network to the Internet in which a special number sequence is determined for the Internet Service Providers - ISP - and a specific number from said sequence is assigned to a specific ISP. For the Netherlands in particular a number sequence 067xxx can be used. From every telephone connection, a 067xxx-call can be led to an ISP across the shortest trajectory possible, which is to be judged by the network operator (NO). Per traffic exchange, one access to an ISP is established. All Internet traffic is led from the traffic exchange directly to the accompanying calling point of the ISP, in which said calling point can be coupled to an underlying number exchange as well.

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534 Rec'd PCT/PTC 25 JUL 2000

System for coupling the public telephone network to the Internet

The invention relates to a system for coupling the public telephone network to the Internet.

5 Access to the Internet is provided by so-called Internet Service Providers, indicated hereinbelow as ISP. On strategically chosen locations, they have so-called calling points to which their clients, i.e. the Internet users, can call for gaining access to the Internet. The network opera-
10 tor, indicated hereinbelow as NO, provides the traffic of a user to the ISP. The latter chooses the calling points such that people can contact a calling point from practically every telephone connection at local rates.

For explanation of the usual system we refer to the
15 enclosed Fig. 1 in which "nrc 1 - 4" represent the number telephone exchanges and vkc represent traffic telephone exchanges. The designation ISP was already explained above. Subscribers are connected to a number telephone exchange. There, the registration of the calls takes place, which
20 forms the basis for invoicing. A number telephone exchange covers a limited area, in which the areas do not overlap. The traffic telephone exchanges are for connecting subscribers that are connected to different number telephone exchanges.

25 The dialling code is important for invoicing. A number area is a collection of adjacent telephone exchange areas all having the same dialling code. In the following, for the sake of simplicity it has been assumed that a dialling code area only contains one telephone exchange area. For invoic-
30 ing, one employs the term basic area. The basic area is the dialling code area of the user plus all immediately adjacent dialling code areas. With the diagram of Fig. 1, it can be assumed, that the area nrcl is adjacent nrc2 and nrc4. A conversation between nrc3 and nrc4 will be seen as a conver-
35 sation within the basic area and a conversation between nrcl

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and nrc3 will be seen as a conversation outside the basic area. It is clear that a conversation between nrc3 and nrc4 will be more expensive for the NO than a conversation between nrc1 and nrc3. However, this is tolerated. The user only looks at the distance "in a straight line" and for the NO, the shortage of income on the conversations between nrc3 and nrc4 is compensated by the extra profits coming from the conversations between nrc1 and nrc3.

However, the latter does not apply to Internet traffic. A calling point of an ISP in nrc3 is called from the areas nrc2, nrc3 and nrc4, but not from nrc1. For the latter, a different calling point has been arranged. In all, an ISP in the Netherlands needs 26 calling points for national coverage.

Such a system has a number of disadvantages:

a) the NO must provide services at a low rate, even if the traffic is handled as interlocal traffic;

b) Internet traffic in which the user and the ISP are connected to two different NOs involves much costs and little profits.

c) Internet traffic can not be distinguished from the other traffic, as a result of which the trend determination can not be established directly from traffic measurements, which makes network planning for the NO more difficult;

d) Internet traffic is difficult to predict and in case of overload or failure of a calling location, a domino effect may occur, as will be explained further;

e) it is necessary to have a large number of calling points for obtaining national coverage, this also in the areas where little traffic is to be expected;

f) all calling points must have a number of their own and those numbers must be communicated to the users;

g) combining the common telephone costs and the Internet costs is very expensive and is therefore hardly applied.

Said domino effect could arise as follows. A user in

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Almere can gain access to his ISP at a local rate in Lelystad, Amersfoort or Amsterdam.

Now if the calling point Lelystad can not be contacted as result of a failure, a number of users will contact 5 Amersfoort and others will contact Amsterdam. There, this may give rise to difficulties, so that users from Amsterdam or Hoofddorp will contact Haarlem, for example. This causes an extra loading of the network between various telephone exchanges and extra loading at the calling points. This 10 results in the so-called domino effect as a result of which the ISP may become inapproachable and congestion will arise in the telephone exchange.

The object of the invention is to remove the difficulties described above and to that end the invention provides 15 for that a special number sequence is determined for the ISPs and that a specific number from the sequence is assigned to a specific ISP.

For the Netherlands in particular, a number sequence 067xxx can be contemplated.

20 A 067xxx-call can now be led to an ISP across the shortest trajectory possible, which is to be judged by the NO.

In Fig. 2 the system according to the invention is indicated diagrammatically. The employed terms correspond to 25 the ones applied in Fig. 1 so that they need not be explained further. Per vkc, one access to an ISP is established. From the vkc, all Internet traffic is directly led to the calling point of the ISP, which calling point may also be coupled to an underlying number telephone exchange.

30 This provides great advantages for both parties. For the NO: for Internet traffic which was already within the same vkc-area, nothing will change. For traffic which in the existing situation is led from the one vkc to the other, one saves a telephone exchange passage and a connection in 35 the network between the vkc's.

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For the ISP: the number of calling points can be reduced,
e.g. from 26 to 20.

By using the specific number sequence, a calling point can always be contacted per vkc at a low rate. According to the present regulations in the Netherlands the sequence 067xxx is destined for "videotext and data services", so that according to the invention said sequence is most suitable for that purpose. The routing tables can now be set such, that in the areas nrcl, nrc2 and nrc3 the number 067xxx refers to ISP (a) and in the area nrc4 the same number refers to ISP (b). Invoicing said number is independent from the location of ISP (a) or ISP (b).

At the same time, with the system according to the invention it is achieved, that an ISP requires only one number which is valid nationwide. Thus, the Internet users need not remember various numbers for e.g. at home and at the office. The system according to the invention has the additional advantage of a nationwide valid rate per ISP, with all Internet traffic now being easily recognizable, so that this can be taken into account on dimensioning the network.

NO and ISP can make an arrangement on how to act in case of calamities, such as failure of a calling point. Users can no longer move directly to other calling points since they have no control over the choice of calling point. It would be possible to redirect the traffic in a controlled way behind the scenes. This can be done by both the NO and the ISP.

On applying the invention, combining the costs of NO and ISP is possible in a simple way. However, NO can continue settling up the telephone traffic and ISP can continue settling up the use of Internet in the usual way. Another possibility is that NO makes the number available to the users free of charge and settles up with the ISP. For the NO, the advantage is in the reduction in invoice lines, a decreased collection risk and a better use of the network.

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For the ISP it is possible to provide actual unlimited access to the Internet at a slightly higher rate. This further depends on the rates to be paid, for that matter.

In particular for occasional users it can be advantageous that the NO bills both the telephone traffic and the use of Internet. For users who use the Internet for e.g. only an hour per month, a subscription is relatively expensive so that an "open entry" is cheaper. Then one need not check in and subscribe in advance. At the moment, those users are of no interest for the ISP. They are anonymous and the costs of measuring and billing count for little compared to the returns.

It will be obvious that only one possible embodiment of a system according to the invention has been illustrated in the drawing and described above and that many changes can be made without leaving the inventive idea as it is indicated in the enclosed claims.

- claims -

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C L A I M S

1. System for coupling the public telephone network to the Internet, characterized in that a special number sequence is determined for the ISPs and that a specific number 5 from the sequence is assigned to a specific ISP.

2. System according to claim 1, characterized in that a number sequence 067xxx will be used for the Netherlands in particular.

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FIG. 1

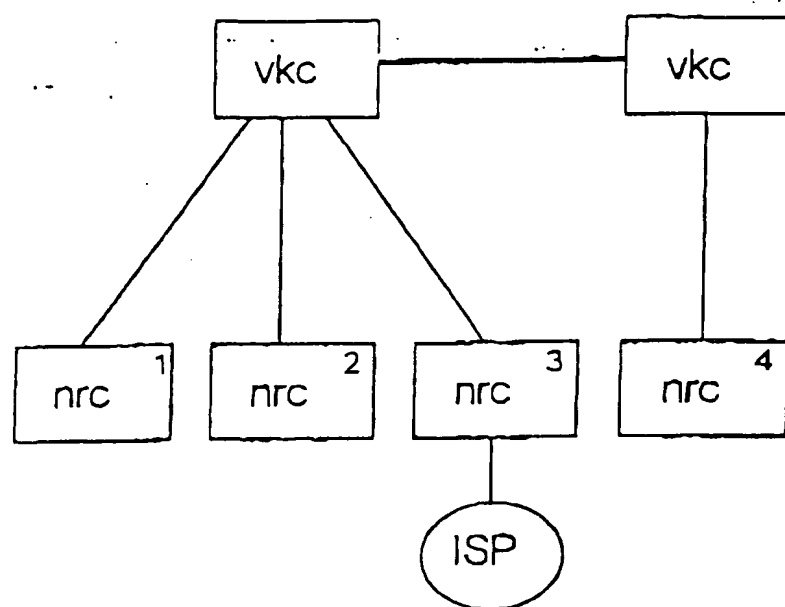
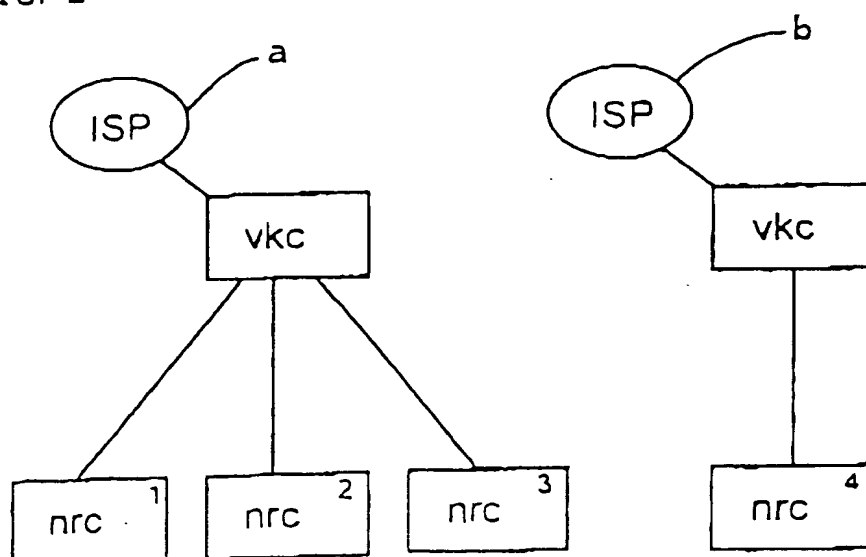


FIG. 2



INTERNATIONAL SEARCH REPORT

Int. l. Application No

PCT/NL 99/00054

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04M3/42 H04Q3/00 H04M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HURA G S: "The Internet: global information superhighway for the future" COMPUTER COMMUNICATIONS, vol. 20, no. 16, January 1998, page 1412-1430 XP004113222 see page 1421, right-hand column, paragraph 1	1
X	US 5 537 464 A (LEWIS C ALAN ET AL) 16 July 1996 see the whole document	1
A	WO 97 29584 A (ERICSSON TELEFON AB L M ;MELEN BJOERN (FI); HYVOENEN MIKA (FI)) 14 August 1997 see abstract	1,2



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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- * L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- * O* document referring to an oral disclosure, use, exhibition or other means
- * P* document published prior to the international filing date but later than the priority date claimed

- * T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- * X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- * Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- * &* document member of the same patent family

Date of the actual completion of the international search

7 June 1999

Date of mailing of the international search report

16/06/1999

Name and mailing address of the ISA

European Patent Office, P. B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Megalou, M

INTERNATIONAL SEARCH REPORT

Int'l. Application No.

PCT/NL 99/00054

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT.

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NL 9 201 010 A (ROGER ROY ROGER DE CAMPAGNOLLE) 3 January 1994 see the whole document ---	1,2
A	PTT TELECOM BV: "Informatie" TELEFOONGIDS, 1997, pages 1-2, XP002077835 see the whole document -----	1,2.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 99/00054

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5537464 A	16-07-1996	CA 2134800 A US 5524142 A	03-05-1995 04-06-1996
WO 9729584 A	14-08-1997	FI 960619 A AU 1726497 A EP 0873645 A NO 983561 A PL 328409 A	10-08-1997 28-08-1997 28-10-1998 09-10-1998 18-01-1999
NL 9201010 A	03-01-1994	NONE	

Form PCTnSA/210 (patent family annex) (July 1992)

PATENT COOPERATION TREATY

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NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
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From the INTERNATIONAL BUREAU

To:

KONINKLIJKE KPN N.V.
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Date of mailing (day/month/year) 03 July 2000 (03.07.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 63468 402627 WO	
International application No. PCT/NL99/00054	International filing date (day/month/year) 03 February 1999 (03.02.99)

1. The following indications appeared on record concerning:	
<input type="checkbox"/> the applicant	<input type="checkbox"/> the inventor <input checked="" type="checkbox"/> the agent <input type="checkbox"/> the common representative
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2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:	
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The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:
The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

For International Preliminary Examining Authority use only

Identification of IPEA

Date of receipt of DEMAND

Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION

Applicant's or agent's file reference
63468

International application No.
PCT/NL 99/00054

International filing date (day/month/year)
03-02-1999

(Earliest) Priority date (day/month/year)
10-02-1998

Title of invention

System for coupling the public telephone network to the Internet.

Box No. II APPLICANT(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Telematic Holdings Ltd.
3 L.B. Smith Plein
Willemstad, Curaçao
Netherlands Antilles

Telephone No.:

Facsimile No.:

Teleprinter No.:

State (that is, country) of nationality:
The Netherlands (NL)

State (that is, country) of residence:
Netherlands Antilles

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

VAN TOL, Alphonsus Johannus
Holtenberg 9
2402 ZA Alphen a/d Rijn
The Netherlands

State (that is, country) of nationality:
The Netherlands (NL)

State (that is, country) of residence:
The Netherlands (NL)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

State (that is, country) of nationality:

State (that is, country) of residence:

☐ Further applicants are indicated on a continuation sheet.

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is ☒ agent ☐ common representative
 and ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.
☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.
☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

Ir. H.J.G. Lips c.s.
 HAAGSCH OCTROOIBUREAU
 Breitnerlaan 146
 2596 HG Den Haag
 The Netherlands

Telephone No.:

070-3244463

Facsimile No.:

070-3280814

Teleprinter No.:

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION**Statement concerning amendments:***

1. The applicant wishes the international preliminary examination to start on the basis of:

☒ the international application as originally filed

the description ☐ as originally filed
☐ as amended under Article 34

the claims ☐ as originally filed
☐ as amended under Article 19 (together with any accompanying statement)
☐ as amended under Article 34

the drawings ☐ as originally filed
☐ as amended under Article 34

2. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.

3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months from the priority date unless the International Preliminary Examining Authority receives a copy of any amendments made under Article 19 or a notice from the applicant that he does not wish to make such amendments (Rule 69.1(d)). *(This check-box may be marked only where the time limit under Article 19 has not yet expired.)*

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

☒ which is the language in which the international application was filed.

☐ which is the language of a translation furnished for the purposes of international search.

☐ which is the language of publication of the international application.

☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The applicant hereby elects all eligible States *(that is, all States which have been designated and which are bound by Chapter II of the PCT)*

excluding the following States which the applicant wishes not to elect:

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- | | | |
|--|---|--------|
| 1. translation of international application | : | sheets |
| 2. amendments under Article 34 | : | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | sheets |
| 4. copy (or, where required, translation) of statement under Article 19 | : | sheets |
| 5. letter | : | sheets |
| 6. other (specify) | : | sheets |

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received not received

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<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- | | |
|--|---|
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| 2. <input checked="" type="checkbox"/> separate signed power of attorney <i>copy</i> | 5. <input type="checkbox"/> nucleotide and or amino acid sequence listing in computer readable form |
| 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 6. <input type="checkbox"/> other (specify): |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

Ir. H.J.G. Lips

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1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

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Demand received from IPEA on:

PCT

CHAPTER II

FEE CALCULATION SHEET

Annex to the Demand for international preliminary examination

<p>International application No. PCT/NL 99/ 00054</p> <p>Applicant's or agent's file reference 63468</p> <p>Applicant Telematica Holdings Ltd. 3 L.B. Smith Plein Willemstad, Curaçao, Netherlands Antilles</p>	<p>For International Preliminary Examining Authority use only</p> <p>Date stamp of the IPEA</p>								
<p>Calculation of prescribed fees</p> <p>1. Preliminary examination fee DM 3000,- P</p> <p>2. Handling fee (<i>Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.</i>) DM 292,- H</p> <p>3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box</p> <table style="width: 100%; border: 1px solid black;"> <tr> <td style="text-align: center; padding: 5px;">DM 3292,-</td> </tr> <tr> <td style="text-align: center; padding: 5px;">TOTAL</td> </tr> </table>		DM 3292,-	TOTAL						
DM 3292,-									
TOTAL									
<p>Mode of Payment</p> <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> authorization to charge deposit account with the IPEA (see below)</td> <td><input type="checkbox"/> cash</td> </tr> <tr> <td><input type="checkbox"/> cheque</td> <td><input type="checkbox"/> revenue stamps</td> </tr> <tr> <td><input type="checkbox"/> postal money order</td> <td><input type="checkbox"/> coupons</td> </tr> <tr> <td><input type="checkbox"/> bank draft</td> <td><input type="checkbox"/> other (specify):</td> </tr> </table>		<input checked="" type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash	<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps	<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons	<input type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):
<input checked="" type="checkbox"/> authorization to charge deposit account with the IPEA (see below)	<input type="checkbox"/> cash								
<input type="checkbox"/> cheque	<input type="checkbox"/> revenue stamps								
<input type="checkbox"/> postal money order	<input type="checkbox"/> coupons								
<input type="checkbox"/> bank draft	<input type="checkbox"/> other (specify):								
<p>Deposit Account Authorization (<i>this mode of payment may not be available at all IPEAs</i>)</p> <p>The IPEA/ _____ <input checked="" type="checkbox"/> is hereby authorized to charge the total fees indicated above to my deposit account.</p> <p><input type="checkbox"/> (<i>this check-box may be marked only if the conditions for deposit accounts of the IPEA so permit</i>) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.</p>									
<p>28090048</p> <p>Deposit Account Number</p>	<p>June 21, 1999</p> <p>Date (day/month/year)</p>	<p>Ir. H.J.G. Lips</p> <p>Signature</p>							

12 MEI 1999

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

LIPS, H., J., G.
Breitnerlaan 146
NL-2596 HG The Hague
PAYS-BAS

Date of mailing (day/month/year) 23 April 1999 (23.04.99)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 63468	
International application No. PCT/NL99/00054	International filing date (day/month/year) 03 February 1999 (03.02.99)

1. The following indications appeared on record concerning: <input checked="" type="checkbox"/> the applicant <input type="checkbox"/> the inventor <input type="checkbox"/> the agent <input type="checkbox"/> the common representative	
Name and Address TELEMATIC HOLDINGS LTD. 3 L.B. Smith Plein Willemstad, Curacao Netherlands Antilles	State of Nationality NL
	State of Residence NL
	Telephone No.
	Facsimile No.
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning: <input type="checkbox"/> the person <input checked="" type="checkbox"/> the name <input type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence	
Name and Address TELEMATICA HOLDINGS LTD.	State of Nationality
	State of Residence
	Telephone No.
	Facsimile No.
3. Further observations, if necessary:	
4. A copy of this notification has been sent to: <input checked="" type="checkbox"/> the receiving Office <input checked="" type="checkbox"/> the designated Offices concerned <input checked="" type="checkbox"/> the International Searching Authority <input type="checkbox"/> the elected Offices concerned <input type="checkbox"/> the International Preliminary Examining Authority <input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Aino Metcalfe Telephone No.: (41-22) 338.83.38
---	---

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

PCT

To: Mr. Ir. H.J.G. Lips c.s.
HAAGSCH OCTROOIBUREAU
Breitnerlaan 146
2596 HG Den Haag

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.5(c))

Date of mailing (day/month/year)

09 February 1999 (09.02.99)

Applicant's or agent's file reference

63468

IMPORTANT NOTIFICATION

International application No.

PCT/NL99/00054

International filing date (day/month/year)

03 February 1999 (03.02.99)

Priority date (day/month/year)

10 February 1998 (10.02.98)

Applicant

Telematic Holdings Ltd. et al

Title of the invention

Stelsel voor het koppelen van het openbare telefoonnet met het Internet

1. The applicant is hereby notified that the international application has been accorded the international application number and the international filing date indicated above.
2. The applicant is further notified that the record copy of the international application:

☒ was transmitted to the International Bureau on 12 February 1999 (12.02.99)

☐ has not yet been transmitted to the International Bureau for the reason indicated below and a copy of this notification has been sent to the International Bureau *:

☐ because the necessary national security clearance has not yet been obtained.

☐ because (reason to be specified):

* The international Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c))

Name and mailing address of the receiving Office

Bureau voor de Industriële Eigendom
P.O. Box 5820
2280 HV Rijswijk
The Netherlands

Facsimile No. +31703986507

Authorized officer

R. Blokdijk

Telephone No. +31703986487

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) 63468

Box No. I TITLE OF INVENTION

System for coupling the public telephone network to the Internet

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Telematic Holdings Ltd.
3 L.B. Smith Plein
Willemstad, Curaçao
Netherlands Antilles

☐ This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant
for the purposes of:

☐

all designated
States

☒

all designated States except
the United States of America

☐

the United States
of America only

☐

the States indicated in
the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Alphonsus Johannes van Tol
Holtenberg 9
2402 ZA Alphen a/d Rijn
The Netherlands

This person is:

☐ applicant only

☐ applicant and inventor

☒ inventor only (If this check-box
is marked, do not fill in below.)

State (that is, country) of nationality:
The Netherlands

State (that is, country) of residence:
The Netherlands

This person is applicant
for the purposes of:

☐

all designated
States

☐

all designated States except
the United States of America

☒

the United States
of America only

☐

the States indicated in
the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf
of the applicant(s) before the competent International Authorities as:

☐

agent

☐

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Ir. H.J.G. Lips c.s.
Breitnerlaan 146
2596 HG Den Haag
The Netherlands

Telephone No.

070-3244463

Facsimile No.

070-3280814

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

PCT A. I. E.

- 3 FEB. 1999

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

Confirmation copy

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum)

63468

Box No. I TITLE OF INVENTION

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Telematic Holdings Ltd.
3 L.B. Smith Plein
Willemstad, Curacao
Netherlands Antilles

☐ This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:

State (that is, country) of residence:

This person is applicant
for the purposes of:

☐ all designated
States

☒ all designated States except
the United States of America

☐ the United States
of America only

☐ the States indicated in
the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)

Alphonsus Johannes van Tol
Holtenberg 9
2402 ZA Alphen a/d Rijn
The Netherlands

This person is:

☐ applicant only

☐ applicant and inventor

☒ inventor only (If this check-box
is marked, do not fill in below.)

State (that is, country) of nationality:

State (that is, country) of residence:

The Netherlands

The Netherlands

This person is applicant
for the purposes of:

☐ all designated
States

☐ all designated States except
the United States of America

☒ the United States
of America only

☐ the States indicated in
the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf
of the applicant(s) before the competent International Authorities as:

☐ agent

☐ common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Ir. H.J.G. Lips c.s.,
Breitnerlaan 146,
2596 HG The Hague,
The Netherlands

Telephone No.

070-3244463

Facsimile No.

070-3280814

Teleprinter No.

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No.V DESIGNATION OF STATE

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|--|--|
| <input checked="" type="checkbox"/> AL Albania | <input checked="" type="checkbox"/> LS Lesotho |
| <input checked="" type="checkbox"/> AM Armenia | <input checked="" type="checkbox"/> LT Lithuania |
| <input checked="" type="checkbox"/> AT Austria | <input checked="" type="checkbox"/> LU Luxembourg |
| <input checked="" type="checkbox"/> AU Australia | <input checked="" type="checkbox"/> LV Latvia |
| <input checked="" type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> MD Republic of Moldova |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> MG Madagascar |
| <input checked="" type="checkbox"/> BB Barbados | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BG Bulgaria | <input checked="" type="checkbox"/> MN Mongolia |
| <input checked="" type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> MW Malawi |
| <input checked="" type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> MX Mexico |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> NO Norway |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> CN China | <input checked="" type="checkbox"/> PL Poland |
| <input checked="" type="checkbox"/> CU Cuba | <input checked="" type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> CZ Czech Republic | <input checked="" type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> RU Russian Federation |
| <input checked="" type="checkbox"/> DK Denmark | <input checked="" type="checkbox"/> SD Sudan |
| <input checked="" type="checkbox"/> EE Estonia | <input checked="" type="checkbox"/> SE Sweden |
| <input checked="" type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> SG Singapore |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> SI Slovenia |
| <input checked="" type="checkbox"/> GB United Kingdom | <input checked="" type="checkbox"/> SK Slovakia |
| <input checked="" type="checkbox"/> GD Grenada | <input checked="" type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> GE Georgia | <input checked="" type="checkbox"/> TJ Tajikistan |
| <input checked="" type="checkbox"/> GH Ghana | <input checked="" type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> GM Gambia | <input checked="" type="checkbox"/> TR Turkey |
| <input checked="" type="checkbox"/> HR Croatia | <input checked="" type="checkbox"/> TT Trinidad and Tobago |
| <input checked="" type="checkbox"/> HU Hungary | <input checked="" type="checkbox"/> UA Ukraine |
| <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> IL Israel | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> IN India | <input type="checkbox"/> UZ Uzbekistan |
| <input checked="" type="checkbox"/> IS Iceland | <input type="checkbox"/> VN Viet Nam |
| <input checked="" type="checkbox"/> JP Japan | <input type="checkbox"/> YU Yugoslavia |
| <input checked="" type="checkbox"/> KE Kenya | <input type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> KG Kyrgyzstan | |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea | |
| <input checked="" type="checkbox"/> KR Republic of Korea | |
| <input checked="" type="checkbox"/> KZ Kazakhstan | |
| <input checked="" type="checkbox"/> LC Saint Lucia | |
| <input checked="" type="checkbox"/> LK Sri Lanka | |
| <input checked="" type="checkbox"/> LR Liberia | |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

- ☐
- ☐
- ☐

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM		<input type="checkbox"/> Further priority claims indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) February 10, 1998	1008259	The Netherlands		
item (2)				
item (3)				

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):

* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):	Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):
ISA / The Netherlands	Date (day/month/year) Number Country (or regional Office)
	Sept. 17, 1998 SN 30727 The Netherlands

Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets: request : 3 description (excluding sequence listing part) : 5 claims : 1 abstract : 1 drawings : 1 sequence listing part of description : Total number of sheets : 11	This international application is accompanied by the item(s) marked below: - 1. <input checked="" type="checkbox"/> fee calculation sheet to follow 2. <input checked="" type="checkbox"/> separate signed power of attorney to follow 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input checked="" type="checkbox"/> priority document(s) identified in Box No. VI as item(s): English translation 6. <input type="checkbox"/> translation of international application into (language): to follow 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input checked="" type="checkbox"/> other (specify): English translation of the application to follow.
Figure of the drawings which should accompany the abstract: 2	Language of filing of the international application: English

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Ir. H. J. G. Lips



For receiving Office use only

1. Date of actual receipt of the purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

KONINKLIJKE KPN N.V.
Intellectual Property Group
P.O. Box 95321
NL-2509 CH The Hague
PAYS-BASDate of mailing (day/month/year)
03 July 2000 (03.07.00)Applicant's or agent's file reference
63468

IMPORTANT NOTIFICATION

International application No.
PCT/NL99/00054International filing date (day/month/year)
03 February 1999 (03.02.99)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address

LIPS, H., J., G.
Breitnerlaan 146
NL-2596 HG The Hague
Netherlands

State of Nationality

State of Residence

Telephone No.

070 3244463

Facsimile No.

070 3280814

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

KONINKLIJKE KPN N.V.
Intellectual Property Group
P.O. Box 95321
NL-2509 CH The Hague
Netherlands

State of Nationality

State of Residence

Telephone No.

+31 70 332 55 29

Facsimile No.

+31 70 332 38 40

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☒ other: Former agentThe International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Aino Metcalfe

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

LIPS, H., J., G.
Breitnerlaan 146
NL-2596 HG The Hague
PAYS-BASDate of mailing (day/month/year)
13 June 2000 (13.06.00)Applicant's or agent's file reference
63468

IMPORTANT NOTIFICATION

International application No.
PCT/NL99/00054International filing date (day/month/year)
03 February 1999 (03.02.99)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

TELEMATICA HOLDINGS LTD.
3 L.B. Smith Plein
Willemstad, Curacao
Netherlands Antilles

State of Nationality

AN

State of Residence

AN

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address

KONINKLIJKE KPN N.V.
Maanplein 5
NL-2595 AL Den Haag
Netherlands

State of Nationality

NL

State of Residence

NL

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

New applicant for all designated States except US.

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

A. Karkachi

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

LIPS, H., J., G.
Breitnerlaan 146
NL-2596 HG The Hague
PAYS-BASDate of mailing (day/month/year)
23 April 1999 (23.04.99)Applicant's or agent's file reference
63468

IMPORTANT NOTIFICATION

International application No.
PCT/NL99/00054International filing date (day/month/year)
03 February 1999 (03.02.99)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

TELEMATIC HOLDINGS LTD.
3 L.B. Smith Plein
Willemstad, Curacao
Netherlands Antilles

State of Nationality

NL

State of Residence

NL

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

TELEMATICA HOLDINGS LTD.

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☒ the designated Offices concerned
☒ the International Searching Authority ☐ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Aino Metcalfe

Telephone No.: (41-22) 338.83.38



REQUEST

06.04.99

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

PCT 99/00054

International Application No.

03 FEB 1999

International Filing Date

(03.02.99)

BUREAU VOOR DE INDUSTRIËLE EIGENDOM
P.C.T. INTERNATIONAL APPLICATION

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) 63468

Box No. I TITLE OF INVENTION	
System for coupling the public telephone network to the Internet	
Box No. II APPLICANT	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	
Telematica Holdings Ltd. 3 L.B. Smith Plein Willemstad, Curaçao Netherlands Antilles	
<input type="checkbox"/> This person is also inventor.	
Telephone No.	
Facsimile No.	
Teleprinter No.	
State (that is, country) of nationality: Netherlands Antilles	State (that is, country) of residence: Netherlands Antilles
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input checked="" type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	
Alphonsus Johannes van Tol Holtenberg 9 2402 ZA Alphen a/d Rijn The Netherlands	
This person is: <input type="checkbox"/> applicant only <input checked="" type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (If this check-box is marked, do not fill in below.)	
State (that is, country) of nationality: The Netherlands	State (that is, country) of residence: The Netherlands
This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box	
<input type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)	
Ir. H.J.G. Lips c.s. Breitnerlaan 146 2596 HG Den Haag The Netherlands	
Telephone No. 070-3244463	
Facsimile No. 070-3280814	
Teleprinter No.	
<input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Form PCT/RO/101 (first sheet) (July 1998; reprint January 1999)

See Notes to the request form

Box No.V DESIGNATIONS OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|--|--|
| <input checked="" type="checkbox"/> AL Albania | <input checked="" type="checkbox"/> LS Lesotho |
| <input checked="" type="checkbox"/> AM Armenia | <input checked="" type="checkbox"/> LT Lithuania |
| <input checked="" type="checkbox"/> AT Austria | <input checked="" type="checkbox"/> LU Luxembourg |
| <input checked="" type="checkbox"/> AU Australia | <input checked="" type="checkbox"/> LV Latvia |
| <input checked="" type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> MD Republic of Moldova |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> MG Madagascar |
| <input checked="" type="checkbox"/> BB Barbados | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BG Bulgaria | <input checked="" type="checkbox"/> MN Mongolia |
| <input checked="" type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> MW Malawi |
| <input checked="" type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> MX Mexico |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> NO Norway |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> CN China | <input checked="" type="checkbox"/> PL Poland |
| <input checked="" type="checkbox"/> CU Cuba | <input checked="" type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> CZ Czech Republic | <input checked="" type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> RU Russian Federation |
| <input checked="" type="checkbox"/> DK Denmark | <input checked="" type="checkbox"/> SD Sudan |
| <input checked="" type="checkbox"/> EE Estonia | <input checked="" type="checkbox"/> SE Sweden |
| <input checked="" type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> SG Singapore |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> SI Slovenia |
| <input checked="" type="checkbox"/> GB United Kingdom | <input checked="" type="checkbox"/> SK Slovakia |
| <input checked="" type="checkbox"/> GD Grenada | <input checked="" type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> GE Georgia | <input checked="" type="checkbox"/> TJ Tajikistan |
| <input checked="" type="checkbox"/> GH Ghana | <input checked="" type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> GM Gambia | <input checked="" type="checkbox"/> TR Turkey |
| <input checked="" type="checkbox"/> HR Croatia | <input checked="" type="checkbox"/> TT Trinidad and Tobago |
| <input checked="" type="checkbox"/> HU Hungary | <input checked="" type="checkbox"/> UA Ukraine |
| <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> IL Israel | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> IN India | <input type="checkbox"/> UZ Uzbekistan |
| <input checked="" type="checkbox"/> IS Iceland | <input type="checkbox"/> VN Viet Nam |
| <input checked="" type="checkbox"/> JP Japan | <input type="checkbox"/> YU Yugoslavia |
| <input checked="" type="checkbox"/> KE Kenya | <input type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> KG Kyrgyzstan | |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea | |
| <input checked="" type="checkbox"/> KR Republic of Korea | |
| <input checked="" type="checkbox"/> KZ Kazakhstan | |
| <input checked="" type="checkbox"/> LC Saint Lucia | |
| <input checked="" type="checkbox"/> LK Sri Lanka | |
| <input checked="" type="checkbox"/> LR Liberia | |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

- ☐
☐
☐

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIOR CLAIM		<input type="checkbox"/> Further claims are indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: regional Office	international application: receiving Office
item (1) (10.02.98) February 10, 1998	1008259	The Netherlands		
item (2)				
item (3)				

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): 1

* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):	Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):		
ISA / The Netherlands	Date (day/month/year)	Number	Country (or regional Office)
	Sept. 17, 1998	SN 30727	The Netherlands

Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets: request : 3 description (excluding sequence listing part) : 5 claims : 1 abstract : 1 drawings : 1 sequence listing part of description : Total number of sheets : 11	This international application is accompanied by the item(s) marked below: - 1. <input checked="" type="checkbox"/> fee calculation sheet to follow 2. <input checked="" type="checkbox"/> separate signed power of attorney to follow 3. <input type="checkbox"/> copy of general power of attorney; reference number, if any: 4. <input type="checkbox"/> statement explaining lack of signature 5. <input checked="" type="checkbox"/> priority document(s) identified in Box No. VI as item(s): English translation to follow 6. <input type="checkbox"/> translation of international application into (language): to follow 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form 9. <input checked="" type="checkbox"/> other (specify): English translation of the application to follow.
Figure of the drawings which should accompany the abstract: 2	Language of filing of the international application: <u>English</u> <u>Dutch</u>

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Ir. H. J. G. Lips



For receiving Office use only		2. Drawings: <input checked="" type="checkbox"/> received: <input type="checkbox"/> not received:
1. Date of actual receipt of the purported international application: 03 FEB 1999 (03.02.99)		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:		
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority (if two or more are competent): ISA /	6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid.	

For International Bureau use only
Date of receipt of the record copy by the International Bureau: 24 FEB 1999 (24.02.99)

Stelsel voor het koppelen van het openbare telefoonnet met het Internet.

De uitvinding heeft betrekking op een stelsel voor het koppelen van het openbare telefoonnet met het Internet.

5 De toegang tot het Internet wordt verleend door zogenaamde Internet Service Providers, in het nu volgende kortweg aangeduid als ISP. Op strategisch gekozen plaatsen hebben zij zogenaamde inbelpunten waarheen kun cliënten, dus de gebruikers van het Internet, kunnen bellen om toegang tot het Internet te verkrijgen. De netwerk operator, in het nu volgende kortweg aangeduid als NO, verzorgt het verkeer van een gebruiker naar de ISP. Deze laatste kiest de inbelpunten zodanig dat het vanaf vrijwel elke telefoon-aansluiting mogelijk is tegen lokaal tarief een inbelpunt te bereiken.

15 Ter toelichting van het gebruikelijke stelsel zij gewezen op de bijgaande fig. 1 waarin met "nrc 1 - 4" de nummercentrales zijn aangeduid en met vkc verkeerscentrales. De benaming ISP is reeds hiervoor toegelicht. Abonnees zijn aangesloten op een nummercentrale. Daar vindt ook de registratie van de gesprekken plaats, die als basis dient voor de facturering. Een nummercentrale bestrijkt een beperkt gebied waarbij de gebieden elkaar niet overlappen. De verkeerscentrales dienen er toe abonnees die op verschillende nummercentrales zijn aangesloten met elkaar te verbinden.

20 Voor het tarifieren zijn de netnummers van belang. Een nummergebied is een verzameling onderling aangrenzende centralegebieden, die alle hetzelfde netnummer hebben. In het nu volgende is eenvoudigheidshalve aangenomen, dat een netnummergebied slechts één centralegebied bevat. Voor de tarifiering werkt men met het begrip basisgebied. Het basisgebied is het netnummergebied van de gebruiker plus alle direct aangrenzende netnummergebieden. Bij het schema van
35 fig. 1 kan nu worden verondersteld, dat het gebied nrc1 grenst aan nrc2 maar niet aan nrc3 en dat nrc3 grenst aan nrc2 en nrc4. Een gesprek tussen nrc3 en nrc4 zal dan gelden als een gesprek binnen het basisgebied en een gesprek

tussen nrc1 en nrc3 als een gesprek buiten het basisgebied. Het is duidelijk dat een gesprek tussen nrc3 en nrc4 hogere kosten voor de NO met zich brengt dan een gesprek tussen nrc1 en nrc3. Dit wordt echter geaccepteerd. De gebruiker
5 kijkt slechts naar de afstand "hemelsbreed" en voor de NO wordt het tekort aan inkomsten op de gesprekken tussen nrc3 en nrc4 gecompenseerd door de extra opbrengsten van de gesprekken tussen nrc1 en nrc3.

Dit laatste geldt nu echter niet voor Internet-ver-
10 keer. Een inbelpunt van een ISP in nrc3 wordt gebeld vanuit de gebieden nrc2, 3 en 4 maar niet vanuit nrc1. Daarvoor is een ander inbelpunt ingericht. In totaal heeft een ISP in Nederland 26 inbelpunten nodig voor landelijke dekking.

Een dergelijk stelsel heeft een aantal nadelen:

- 15 a) door de NO moeten diensten worden geleverd tegen laag tarief, ook al wordt het verkeer als interlokaal verkeer afgewikkeld;
- b) het Internet-verkeer waarbij de gebruiker en de ISP op twee verschillende NO's zijn aangesloten, brengt veel kos-
20 ten met zich mee en weinig opbrengsten.
- c) het Internet-verkeer is niet te onderscheiden van het overige verkeer, waardoor de trendbepaling niet direct uit verkeersmetingen kan worden afgeleid, wat voor de NO de netwerkplanning bemoeilijkt;
- 25 d) het Internet-verkeer is moeilijk voorspelbaar en bij overbelasting of uitval van een inbelpunt kan een domino-effect optreden, zoals nog nader zal worden toegelicht;
- e) er is een groot aantal inbelpunten noodzakelijk om landelijke dekking te verkrijgen, en dit ook in die gebie-
30 den waar weinig verkeer te verwachten valt;
- f) alle inbelpunten moeten een eigen nummer hebben en die nummers moeten aan de gebruikers worden doorgegeven;
- g) het combineren van de gewone telefoonkosten en de internetkosten is erg duur en wordt daardoor nauwelijks
35 toegepast.

Het genoemde domino-effect kan bijvoorbeeld als volgt ontstaan. Een gebruiker in Almere kan tegen lokaal tarief toegang tot zijn ISP verkrijgen in Lelystad, Amersfoort of Amsterdam.

Internet gebruik maken, is een abonnement relatief duur zodat een "open ingang" goedkoper is. Daarbij behoeft men zich niet van te voren aan te melden en een abonnement te nemen. Voor de ISP zijn deze gebruikers momenteel niet
5 interessant. Zij zijn anoniem en de kosten van meten en faktureren wegen niet op tegen de omzet.

Het zal duidelijk zijn, dat slechts een enkele mogelijke uitvoeringsvorm van een stelsel volgens de uitvinding in de tekening is weergegeven en hierboven beschreven en dat vele wijzigingen kunnen worden aangebracht
10 zonder buiten de uitvindings-gedachte te vallen, zoals deze in bijgaande conclusies is aangegeven.

c o n c l u s i e s

C O N C L U S I E S

1. Stelsel voor het koppelen van het openbare telefoonnet met het Internet, met het kenmerk, dat voor ISP's een speciale nummerreeks wordt vastgesteld en dat aan een
5 bepaalde ISP een bepaald nummer uit die reeks wordt toegekend.

2. Stelsel volgens conclusie 1, met het kenmerk, dat in het bijzonder voor Nederland gebruik zal worden gemaakt van een nummerreeks 067xxx.

U I T T R E K S E L

Stelsel voor het koppelen van het openbare telefoonnet met het Internet waarbij voor de Internet Service Providers -ISP's - een speciale nummerreeks wordt vastgesteld en aan
5 een bepaalde ISP een bepaald nummer uit die reeks wordt toegekend. Voor Nederland kan daarbij in het bijzonder gebruik worden gemaakt van een nummerreeks 067xxx. Vanaf
iedere telefoonaansluiting kan nu een 067xxx oproep langs de kortst mogelijke weg, dit ter beoordeling van de netwerk
10 operator - NO -, naar een ISP worden geleid. Per verkeerscentrale wordt nu één toegang gecreëerd naar een ISP. Alle Internet-verkeer wordt vanaf de verkeerscentrale direct naar het bijbehorende inbelpunt van de ISP geleid welk
inbelpunt overigens ook aan een onderliggende nummercentra-
15 le kan zijn gekoppeld.

Fig. 2.

FIG. 1

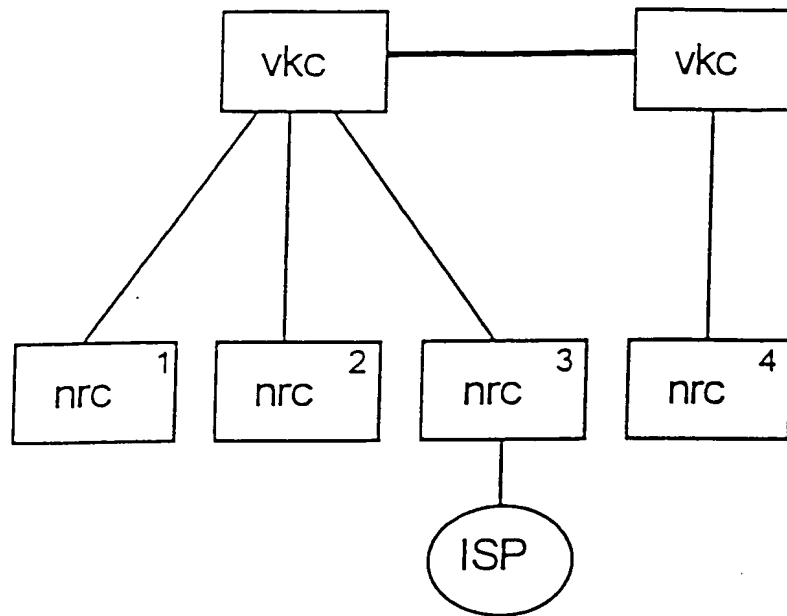
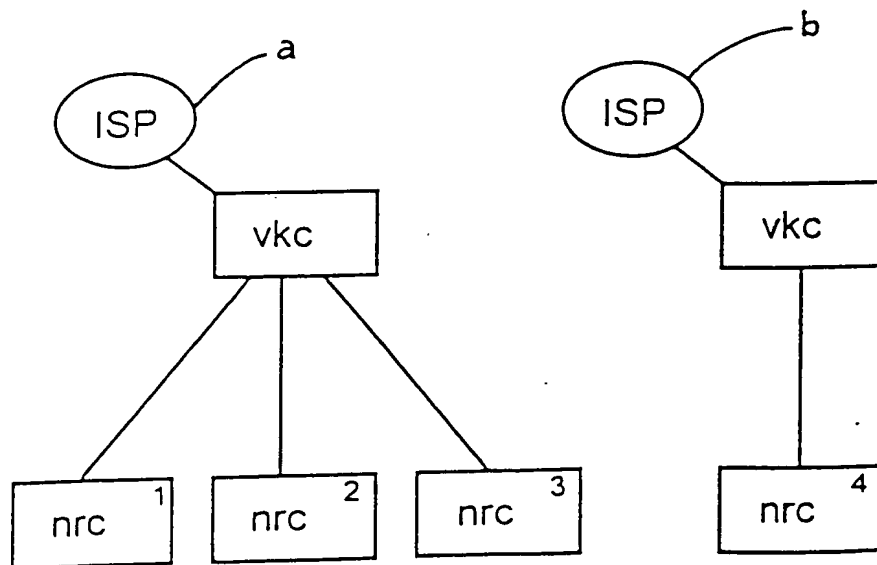


FIG. 2



PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

To:

H.J.G. LIPS c.s.
Haagsch Octrooibureau
Attn. IR.HJ.G.LIPS CS
Breitnerlaan 146
2596 HG Den Haag
NETHERLANDS

Date of mailing
(day/month/year)

16/06/1999

Applicant's or agent's file reference

63468

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International application No.

PCT/NL 99/00054

International filing date

(day/month/year)

03/02/1999

Applicant

TELEMATICA HOLDINGS LTD et al.

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Liliane Van Velzen-Peron

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 63468	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/NL 99/ 00054	International filing date (day/month/year) 03/02/1999	(Earliest) Priority Date (day/month/year) 10/02/1998
Applicant TELEMATICA HOLDINGS LTD et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of Invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

2
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 99/00054

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04M3/42 H04Q3/00 H04M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HURA G S: "The Internet: global information superhighway for the future" COMPUTER COMMUNICATIONS, vol. 20, no. 16, January 1998, page 1412-1430 XP004113222 see page 1421, right-hand column, paragraph 1	1
X	US 5 537 464 A (LEWIS C ALAN ET AL) 16 July 1996 see the whole document	1
A	WO 97 29584 A (ERICSSON TELEFON AB L M ;MELEN BJOERN (FI); HYVOENEN MIKA (FI)) 14 August 1997 see abstract	1,2
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

7 June 1999

Date of mailing of the international search report

16/06/1999

Name and mailing address of the ISA

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Authorized officer

Megalou, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 99/00054

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NL 9 201 010 A (ROGER ROY ROGER DE CAMPAGNOLLE) 3 January 1994 see the whole document ---	1,2
A	PTT TELECOM BV: "Informatie" TELEFOONGIDS, 1997, pages 1-2, XP002077835 see the whole document -----	1,2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 99/00054

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5537464	A	16-07-1996	CA 2134800 A	03-05-1995
			US 5524142 A	04-06-1996
WO 9729584	A	14-08-1997	FI 960619 A	10-08-1997
			AU 1726497 A	28-08-1997
			EP 0873645 A	28-10-1998
			NO 983561 A	09-10-1998
			PL 328409 A	18-01-1999
NL 9201010	A	03-01-1994	NONE	

402627 WO

CROSSWARE I
TENT COOPERATION TREATY

KPN GIE

PCT

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

KLEIN, B. & KRUK WIGGERT, J.
KONINKLIJKE KPN N.V.
P.O. Box 95321
NL-2509 CH Den Haag
PAYS-BASNOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)Date of mailing
(day/month/year) 23.05.2000

Applicant's or agent's file reference

~~402627~~ 402627 WO .

IMPORTANT NOTIFICATION

International application No.
PCT/NL99/00054International filing date (day/month/year)
03/02/1999Priority date (day/month/year)
10/02/1998

Applicant

TELEMATICA HOLDINGS LTD et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

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Fax: +49 89 2399 - 4465

Authorized officer

Cremona, P

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 63468	FOR FURTHER ACTION		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/NL99/00054	International filing date (day/month/year) 03/02/1999	Priority date (day/month/year) 10/02/1998	
International Patent Classification (IPC) or national classification and IPC H04M3/42			
Applicant TELEMATICA HOLDINGS LTD et al.			

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

- ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 23/06/1999	Date of completion of this report 23.05.2000
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Alonso, R Telephone No. +49 89 2399 7515 

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/NL99/00054

I. Basis of the report

1. This report has been drawn on the basis of (*substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

Description, pages:

2-5	as originally filed		
1,1a	as received on	15/05/2000 with letter of	11/05/2000

Claims, No.:

1,2	as received on	19/02/2000 with letter of	14/02/2000
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Drawings, sheets:

1/1	as originally filed
-----	---------------------

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

4. Additional observations, if necessary:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/NL99/00054

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims
	No:	Claims 1-2
Inventive step (IS)	Yes:	Claims
	No:	Claims 1-2
Industrial applicability (IA)	Yes:	Claims 1-2
	No:	Claims

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

V. Reasoned statement under Article 35 (2) (N,IS,IA)

I

The following documents (D) cited in the International Search Report are referred to in this communication:

D1= US-A-5537464

D2= Computer Communications, XP004113222

II

1. The independent claim 1 lacks inventive step over the disclosure of document D1 combined with the common general knowledge of the person skilled in the art.

Document D1, which represents the closest prior art discloses, according to the majority of the features of present claim 1, a system (Fig. 1A, 1B), wherein a special number sequence is determined for the Service Providers (SPs) and that a specific number from the sequence is assigned to a specific SP (Abstract; Column 3, lines 40-60).

The system of claim 1 differs from that known from D1 in that the SPs are Internet Service Providers (ISPs).

Although Internet Service Providers are not specifically mentioned in document D1, it refers to the assignment of a special number sequence to Information Providers (Column 1, lines 33-39). Therefore it would be obvious for the skilled person to apply the numbering system of document D1, wherein a certain group of service providers is assigned a certain dialling sequence, to the group of providers which, as service, give access to the Internet in order, for example, to equally treat the calls directed to said group of providers in relation with the billing information.

Claim 1, therefore, does not meet the requirements of Article 33 (3) PCT.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NL99/00054

2. The same objection could have been equally formulated starting from document D2 wherein all the essential features of present claim 1 are disclosed (Page 1421, right column, first paragraph).
3. The dependent claim 2, wherein a specific number sequence is defined, does not contain any subject-matter which, in combination with the subject-matter of claim 1 on which it is dependent, would lead to a claim involving inventive activity (Article 33 (3) PCT).

VII. Certain defects in the international application (form or context)

1. Independent claim 1 is not in an appropriate two-part form in accordance with Rule 6.3 (b) PCT, with those features known in combination from the prior art (document D1 or D2) being placed in a preamble (Rule 6.3(b)(i) PCT) and with the remaining features being included in a characterising part (Rule 6.3 (b)(ii) PCT).

PCT/NL99/00054

CHAPTER II

This page replaces line 1 up to line 15 of page 1 of the application as filed.

A method for connecting the public telephone network to the Internet.

The invention relates to a method for connecting the public telephone network to the Internet, by dialing a
5 number for obtaining a connection.

Such a method is known from the publication: "Computer Communications" XP00413222. On page 1421 - right column - it is remarked: "In the case of a dial-up lines, the number (usually assigned by the computer center for setting up the
10 host) needs to be dialed for connection...."

So it is the Internet Service Provider - ISP -, who decides where its calling points - which can be indicated as POP's: Points of Presence - can be positioned and who will take care for the installation of normal telephone-
15 connections to these PoP's.

In case of the relatively small numbers of incall-connections, as in the early days of the Internet, the public telephone network - (PSTN: Public Switched Telephony Network) - could easily take care for obtaining the desired
20 connection.

This known method, however, has caused serious problems for the public telephone network by the increased number of requested connections with the Internet.

From US-A-5537464 it is known to use a special number
25 sequence to obtain billing information. Obviously this concerns a totally other problem than obtaining a connection with the Internet.

AMENDED SHEET

1A 11 15 05 00

For explanation of the usual system we refer to the
15 enclosed Fig. 1 in which "nrc 1 - 4" represent the number
telephone exchanges and vkc represent traffic telephone
exchanges. The designation ISP was already explained above.
Subscribers are connected to a number telephone exchange.
There, the registration of the calls takes place, which
20 forms the basis for invoicing. A number telephone exchange
covers a limited area, in which the areas do not overlap.
The traffic telephone exchanges are for connecting subscri-
bers that are connected to different number telephone ex-
changes.

25 The dialling code is important for invoicing. A number
area is a collection of adjacent telephone exchange areas all
having the same dialling code. In the following, for the
sake of simplicity it has been assumed that a dialling code
area only contains one telephone exchange area. For invoic-
30 ing, one employs the term basic area. The basic area is the
dialling code area of the user plus all immediately adjacent
dialling code areas. With the diagram of Fig. 1, it can be
assumed, that the area nrc1 is adjacent nrc2 and nrc4. A
conversation between nrc3 and nrc4 will be seen as a conver-
35 sation within the basic area and a conversation between nrc1

AMENDED SHEET

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1

PCT/NL99/00054

CHAPTER II

R E V I S E D C L A I M S.

1. A method for coupling the public telephone network to the Internet, by dialing a number for obtaining a connection, characterized in that a special number sequence is determined for the Internet service providers (ISPs) and
5 that a specific number from the sequence is assigned to a specific Internet service provider (ISP).
2. A method according to claim 1, characterized in that a number sequence 067xxx will be used for the Netherlands in particular.

PATENT COOPERATION TREATY

PCT

REC'D 26 MAY 2000

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 63468	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
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Applicant [TELEMATICA HOLDINGS LTD et al]	Koninklijke KPN N.V. et al
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1A 11 10.05.00

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area only contains one telephone exchange area. For invoic-
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dialling code area of the user plus all immediately adjacent
dialling code areas. With the diagram of Fig. 1, it can be
assumed, that the area nrc1 is adjacent nrc2 and nrc4. A
conversation between nrc3 and nrc4 will be seen as a conver-
35 sation within the basic area and a conversation between nrc1

AMENDED SHEET

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PCT/NL99/00054

C H A P T E R I I

R E V I S E D C L A I M S.

1. A method for coupling the public telephone network to the Internet, by dialing a number for obtaining a connection, characterized in that a special number sequence is determined for the Internet service providers (ISPs) and
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2. A method according to claim 1, characterized in that a number sequence 067xxx will be used for the Netherlands in particular.

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